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Dear Commission

Case #2023-00090

#20 (Regarding Water Loss)

The District fully understands the importance of water loss, and has made many strides in the past few years to reduce this percentage. In the past few years, the district has replaced over 6 miles of 3" pvc that was installed in the sixties. The stretch of water mains that were replaced were stretches that produced most of our leaks. The new water mains were also installed in-house by District employees, which saved customers money. The State Funded HWY 146 Relocation Project that is currently in construction will also replace approximately another 13,000' of the same type pvc. These mains were all upgraded to a 6" main.

Other than water main replacements, the District also received Clean Water Act Funds to improve a booster pump station that provides water to the Eastern side of the County. These new pumps, meters, and controls will be controlled by SCADA and will allow us to maintain more adequate numbers representing the water demand. The District plans to upgrade the GPS/GIS equipment and correspond it with our new billing software company, Ampstun, to have a better oversight of where the majority of the leaks are occurring.

We have purchased new leak detection equipment/software as well as a portable flow meter. We will continue to update this equipment and look at other methods available. We have done a great job networking with our neighboring counties (Oldham, Trimble, Carroll, North Shelby) and their water districts to learn new methods and techniques on water loss prevention and water leak detection. Kentucky Rural Water has also been a great asset in helping us find leaks that were very difficult for us to find.

We continue to read SCADA daily, and Tetra Tech engineering firm constantly upgrades our hydraulic model. We also physically walk our water mains either annually or when it is necessary. Our District is in 5 counties and has nearly 900 miles of pipe, serving close to 7,000 customers.



Keith Morris

Chief Operating Officer

Henry County Water District#2